

# Claims

- [c0001] 1. A socket apparatus, comprising:  
a socket having contacts disposed therein; and  
a lid pivotally coupled to the socket, wherein pivotal motion of the lid opens and closes the contacts.
- [c0002] 2. The apparatus of claim 1, wherein the lid includes a heat sink.
- [c0003] 3. The apparatus of claim 2, wherein a spring is disposed between the lid and the heat sink.
- [c0004] 4. The apparatus of claim 1, wherein the socket is mounted to a board.
- [c0005] 5. The apparatus of claim 1, wherein the lid is coupled to the socket via a hinge block.
- [c0006] 6. The apparatus of claim 5, wherein a latch block is coupled to the socket at an end opposite of the hinge block.
- [c0007] 7. The apparatus of claim 5, wherein a spring is coupled to the hinge block to bias the lid to an open position.
- [c0008] 8. The apparatus of claim 1, wherein the pivotal motion

causes actuation arms to slide along a shaft.

[c0009] 9. The apparatus of claim 8, wherein the arms actuate levers that open and close pins in the socket.

[c0010] 10. A method of using a socket apparatus, comprising:  
loading an IC into the socket apparatus of claim 1;  
closing the socket apparatus; and  
testing the IC.